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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/763,191	01/26/2004	Masahito Nasu	1466.1083	6426

21171 7590 10/31/2006

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EXAMINER

LO, SUZANNE

ART UNIT PAPER NUMBER

2128

DATE MAILED: 10/31/2006

Please find below and/or attached an Office communication concerning this application or proceeding..

Office Action Summary	Application No. 10/763,191	Applicant(s) NASU, MASAHI TO	
	Examiner Suzanne Lo	Art Unit 2128	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 January 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 26 January 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- ☒ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>1/26/04</u> . | 6) <input type="checkbox"/> Other: _____ |

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DETAILED ACTION

1. Claims 1-7 have been presented for examination.

PRIORITY

2. Acknowledgment is made of applicant's claim for foreign priority under 35 U.S.C. 119(a)-(d).

Information Disclosure Statement

3. The information disclosure statement (IDS) submitted on 01/26/04 is in compliance with the provisions of 37 CFR 1.97. Accordingly, the Examiner has considered the IDS as to the merits.

Claim Rejections - 35 USC § 101

35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

4. Claims 4-7 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter; specifically, the claims are directed towards software *per se* with no concrete results.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 1-7 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by **Unigraphics Solutions™** (“User’s Guide Getting Started with **SOLID EDGE™** Ver. 8.0”).

As per claim 1, Unigraphics is directed to a partial reprojection method for reflecting a shape modified in a part model on a two-dimensional projection that is generated from an assembly model in a

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three-dimensional CAD system, the method comprising the steps of: grouping elements projected from the assembly model for each part (**page 274, Documenting Multiple Parts in One Draft Document**); adding attributions of each part information to the two-dimensional projection, the attributions including a line of sight and a position of the part (**page 296 Annotations and Associativity** and **page 269 Setting Projection Angle**); and specifying two-dimensional elements to be updated when updating the shape in the part model, so as to decide a projecting direction of the part model from the line of sight of each part included in the part information and to decide a generating position of the two-dimensional elements from the position of the part included in the part information (**page 271 Draft Views and Associativity**).

As per **claim 2**, Unigraphics is directed to a partial reprojection method according to **claim 1**, further comprising the steps of: adding attributions of projection information to the two-dimensional projection, the attributions including information about a loaded model and information about a model to be projected (**page 282-283 Retrieving Dimensions and Annotations**); and deciding whether the entire reprojection is performed from the assembly model or a partial reprojection is performed for a part in accordance with the projection information (**page 282 Setting Retrieval Options**), wherein if the partial reprojection is performed, the attributions of the part information and the projection information are not changed but only the shape is changed (**page 282-283 Dimension Retrieval**).

As per **claim 3**, Unigraphics is directed to a partial reprojection device for reflecting a shape modified in a part model on a two-dimensional projection that is generated from an assembly model in a three-dimensional CAD system, the device comprising a reprojection processing portion for controlling a partial reprojection process and a modeling kernel for performing processes including a contour line process and a hidden line process, wherein the reprojection processing portion includes an associative analysis processing portion for analyzing information of the two-dimensional projection to be reprojected (**page 271 Draft Views and Associativity**); a drawing processing portion for deciding three-dimensional elements to be projected in association with the modeling kernel from three-dimensional shape data and a

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projection condition (page 271 **Draft Views and Associativity**); a drawing data generation processing portion for generating the decided three-dimensional elements as two-dimensional elements on the drawing (page 271 **Draft Views and Associativity**); and an associative setting processing portion for grouping the generated two-dimensional elements for each part and for setting a relationship with conditions and the models (page 282-283 **Retrieving Dimensions and Annotations**).

As per claims 4-5, Unigraphics is directed to a computer program product for use in a three-dimensional CAD system for enabling reflection of a shape modified in a part model on a two-dimensional projection generated from an assembly model, the computer program product comprising means for the method steps of claims 1-2 and are therefore rejected under the same prior art.

As per claims 6-7, Unigraphics is directed to a recording medium that can be read by a computer and stores a computer program for a three-dimensional CAD system that enables reflection of a shape modified in a part model on a two-dimensional projection generated from an assembly model, the computer program making a computer perform the process comprising the method steps of claims 1-2 and are therefore rejected under the same prior art.

Conclusion

6. The prior art made of record is not relied upon because it is cumulative to the applied rejection.

These references include:

1. U.S. Patent No. 5,649,076 issued to Nishizaka et al. on 07/15/97.
2. U.S. Patent No. 7,016,749 B2 issued to Kuzumaki et al. on 03/21/06.
3. U.S. Patent No. 7,039,469 B1 issued to Haws et al. on 05/02/06.

7. All Claims are rejected.

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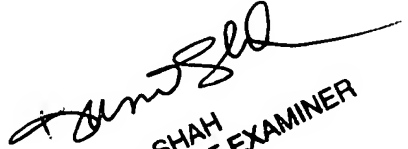
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Suzanne Lo whose telephone number is (571)272-5876. The examiner can normally be reached on M-F, 8-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kamini Shah can be reached on (571)272-2297. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Suzanne Lo
Patent Examiner
Art Unit 2128

SL
10/03/06


KAMINI SHAH
SUPERVISORY PATENT EXAMINER